

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**


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Complete if Known

Application Number	10/719,892
Filing Date	November 21, 2003
First Named Inventor	David W. Nippa
Art Unit	2874
Examiner Name	
Attorney Docket Number	OPI 0004 PA/41004.11

Sheet	1	of	5
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JR		US- 3,558,213	01/26/1971	Marcatili	
		US- 3,589,794	06/29/1971	Marcatili	
		US- 3,850,503	11/26/1974	Riseberg et al.	
		US- 4,070,094	01/24/1978	Martin	
		US- 4,730,171	03/08/1988	So et al.	
		US- 4,737,014	04/12/1988	Green	
		US- 4,884,858	12/05/1989	Ushikubo et al.	
		US- 4,896,930	01/30/1999	Tsuchitani et al.	
		US- 4,936,645	06/26/1990	Yoon et al.	
		US- 5,045,364	09/03/1991	Fang	
		US- 5,078,511	01/07/1992	Noll et al.	
		US- 5,138,687	08/11/1992	Horie et al.	
		US- 5,151,959	09/29/1992	Mueller et al.	
		US- 5,243,680	09/07/1993	Soane	
		US- 5,315,422	05/24/1994	Utaka et al.	
		US- 5,513,283	04/30/1996	Whang et al.	
		US- 5,533,151	07/02/1996	Leonard	
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		US- 5,581,642	12/03/1996	Deacon et al.	

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		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
JR		EP 0335672 A	10/04/1989	Nippon Electric Co.		
		GB 2236402 A	04/03/1991	Marconi GFC Ltd.		
		EP 0513919 A	11/19/1992	Nederland PTT		
		JP 05 323243 (Abstract)	12/07/1993	Nippon		
		JP 09 090299 (Abstract)	04/04/1997	Nippon		
		EP 0898348 A	02/24/1999	Nippon Electric Co.		

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JR		US- 5,659,010	08/19/1997	Sotoyama et al.	
		US- 5,703,710	12/30/1997	Brinkman et al.	
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		US- 6,028,973	02/22/2000	Schienze et al.	
		US- 6,046,839	04/04/2000	Ito et al.	
		US- 6,137,619	10/24/2000	Chen et al.	

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JR		WO 03/010592 A2	02/06/2003	Battelle Memorial		
		WO 03/012532 A2	02/13/2003	Digilens, Inc.		

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JR		US- 6,144,779	11/07/2000	Binkley et al.	
		US- 6,167,169	12/26/2000	Brinkman et al.	
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		US- 6,643,419	11/04/2003	Chang et al.	
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/Jerry Rahl1/

Date
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NON PATENT LITERATURE DOCUMENTS

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JR		SCHILAKK, Modulation Behaviour of Integrated Optical Couplers, Journal of Optical Communications, 1984, 122-131	
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		THEMISTOS et al., Design Considerations for an Electrooptic Directional Coupler Modulator, Journal of Lightwave Technology, Vol. 17, No. 4, April 1999	
		KAPLAN et al., Layout For Polarization Insensitive Modulation In LiNbO3 Waveguides; IEEE Journal of Selected Topics In Quantum Electronics; 01/2000; pgs. 83-87; Vol 6 No. 1; IEEE; Israel	
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		LIAO et al.; Design and Fabrication of Wide-Angle TE-TM Mode Splitter in Lithium Niobate; IEEE Journal of Selected Topics in Quantum Electronics; pp. 88-93; Vol. 6, No. 1.; January/February 2000	
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JR		YOSHITO SHUTO et al.; Optical Intensity Modulators Using Diazo-Dye Substituted Polymer Channel Waveguides; IEEE Journal of Quantum Electronics, IEEE Inc., Vol. 31, No. 8, 1 August 1995, pps. 1451-1460	
		MUTO S. et al.; Slab Waveguide-Type Optical Modulators Using Optically Active and Nonlinear Polymers; Molecular Crystals and Liquid Crystals Science and Technology Section B; Nonlinear Optics; Vol. 22, No. 1-4, 1999, pps. 449-452	
		PARKER et al.; Multiple-Order PMD Compensation Using a Single Activity Chirped AWG; Proceedings 27th European Conference on Optical Communication; Amsterdam; Netherlands; 30 September - 4 October 2001; Vol. 3, 30 September 2001; pps. 424-425	
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JR		EP 0 421 075 A	04-10-1991	IBM		

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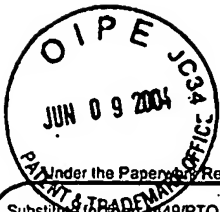
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JR		SHI Y ET AL: "ELECTRO-OPTIC POLYMER MODULATORS WITH A 0.8 V HALF-WAVE VOLTAGE", Applied Physics Letters, American Institute of Physics, New York, U.S., Vol. 77, No. 1, 3 July 2000, pgs. 1-3.	
JR		MIN YOO HONG ET AL: "MACH-ZEHNDER ELECTRO-OPTIC MODULATOR BASED ON ORGANIC-SILICA SOL-GEL HYBRID FILMS", Electronics Letters, IEE Stevenage, G.B., Vol. 35, No. 20, 30 September 1999, pgs. 1770-1771.	
JR		CHON JC ET AL: "LASER ABLATION OF NONLINEAR-OPTICAL POLYMERS TO DEFINE LOW-LOSS OPTICAL CHANNEL WAVEGUIDES", Optics Letters, Optical Society of America, Washington, U.S., Vol. 19, No. 22, 15 November 1994, pgs. 1840-1842.	

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